



SMARTER PARKING
for SMART CITIES.™

SMART CITIES

Allowing cities to do MORE with LESS while using data and optimized asset management to drive decisions...

Increased revenue, happy customers, and earth-friendly practices.



SMART PARKING

Technology, economics, and the customer experience converge to create more livable, sustainable cities.

International Parking Institute, 2014

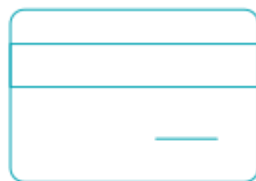


PAYMENT TRENDS



CASH

IS STILL IN PLAY



CREDIT CARDS

DEBIT CARDS ACHIEVING

30-75%



PAY-BY-PHONE

5%

 GROWING IN SOME MARKETS

SMART CARDS

CHIP BASED

<1%



SMART SINGLE SPACE

PAY

-AND-DISPLAY
-BY-SPACE
-BY-LICENSE PLATE



CONTACTLESS PAYMENTS

NFC

 AND INTEGRATED TRANSIT CARDS

TECHNOLOGY TRENDS



AUTONOMOUS
VEHICLE



CONNECTED
VEHICLE



PARKING TRENDS



BIG DATA

proven / innovative / possibilities



1994

IPS Group South Africa established as one of the first manufacturers of card and coin multi-space parking pay stations

1999

Parking enforcement equipment, citations processing, and traffic services provided to municipalities

2002

Deloitte Fast 50 Award



2007

First credit card enabled, solar powered single-space meter installed

2011

Corporate Social Responsibility donation meter program begins

2012

US Conference of Mayors awards for public/private partnership Vik Kops Humanitarian Award Connected World Award

NOW

2013

IPS meters become CDMA certified. Revolution pay station retrofit kits and MS1 multi-space meters launched

2000

IPS Group, Inc. USA incorporated in Pennsylvania

1998

IPS pay-phone solutions and telephone management systems are deployed all over the world

2009

TechAmerica "Green Technology" Award
Wireless vehicle detection sensors developed



2005

"Smart" single-space meter is invented





225,000

wireless devices deployed
(that's more than all USA on-street competitors, combined!)



HEADQUARTERED IN
SAN DIEGO
CALIFORNIA

8.5 MILLION
credit card transactions per month



30%

average **increase**
in parking
revenue

99%

average **meter**
uptime

installed in over
160 CITIES
customers include
WASHINGTON DC
DENVER
LOS ANGELES
SAN FRANCISCO
SEATTLE
BOSTON

\$850,000

in transactions processed
PER DAY

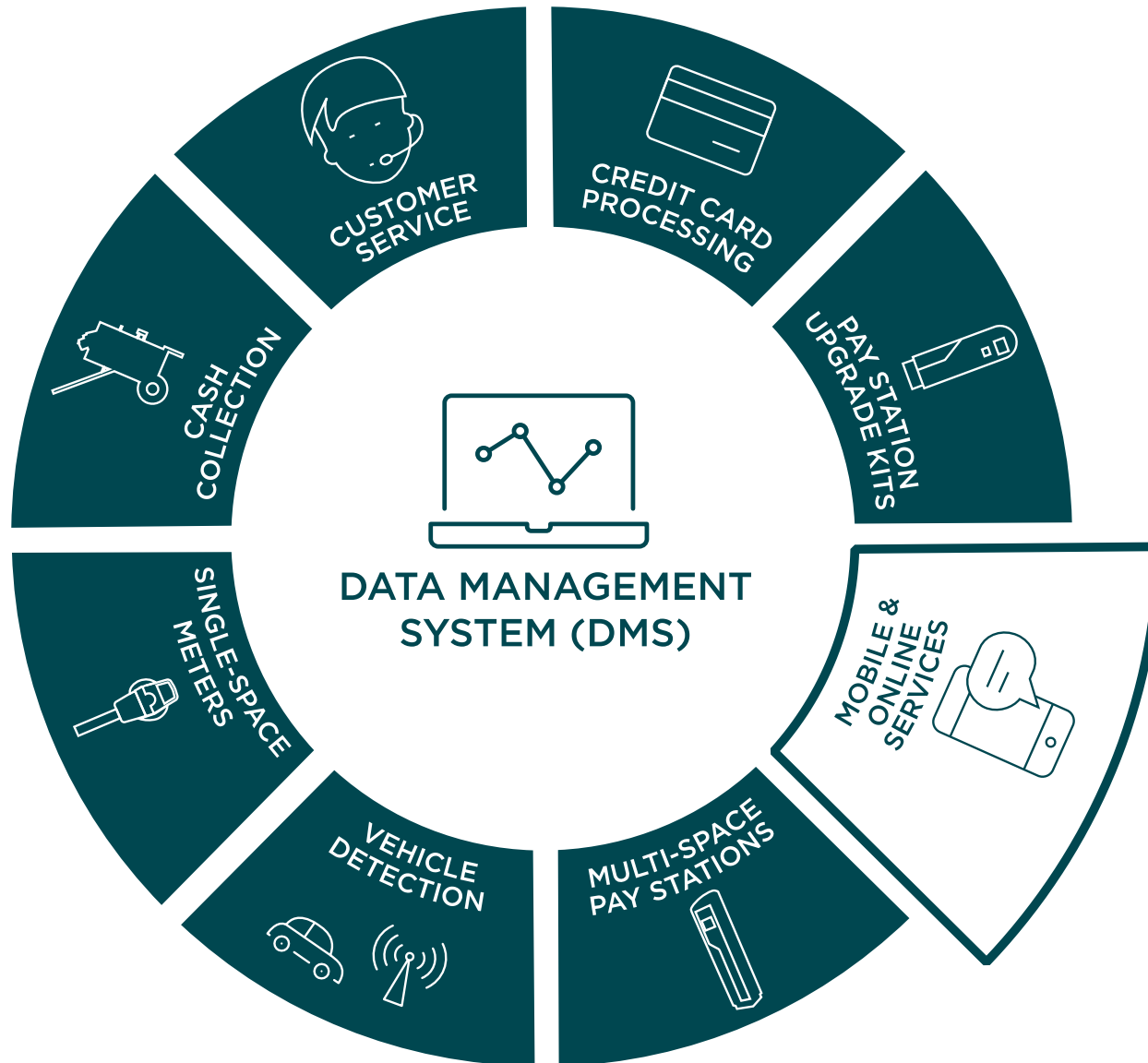
130 employees
here to help
YOU



proven / innovative / possibilities



IPS GROUP PRODUCT SUITE



SINGLE-SPACE METERS

IPS Group invented the “SMART” single-space parking meter in 2005. We continue to revolutionize the market and make parking smarter.

EMV Level 2 Certified





Model 132



Model 147



Model 795

- Accept payment with cards, coins, and 3rd party applications
- Communicates wirelessly via cell network
- Remotely programmable
- Retrofits into existing meter housings
 - Optional EMV Level 2 Certified
 - Optional NFC contactless payment
 - BLE technology 4G





VEHICLE DETECTION SENSORS

Sensors provide real-time data about meter usage, allowing for optimized parking and limits.

Available as a dome mount, pole mount or in ground, sensors communicate directly to the IPS meter, sending real-time occupancy data to the Data Management System (DMS).

VEHICLE DETECTION SENSORS



Dome Mount



Pole Mount



In Ground

Sensors communicate directly to the IPS meter, sending real time occupancy data to the Data Management System (DMS). An additional mesh network is not required.



Smart Collection System

The Smart Collection System offers additional accountability, transparency and access to collection data from anywhere.

- Counts coins as they are deposited
- BLE technology to track collections
- A secure and tamper-resistant cash box

A woman with long dark hair, wearing a floral patterned top, is standing next to a grey multi-space pay station. She is inserting a coin into the machine. The station has a blue 'P' sign at the top. To the left of the station is the front of a white truck. In the background, there is a blue car and a red stop sign. The scene is outdoors in a parking lot with houses and trees in the distance.

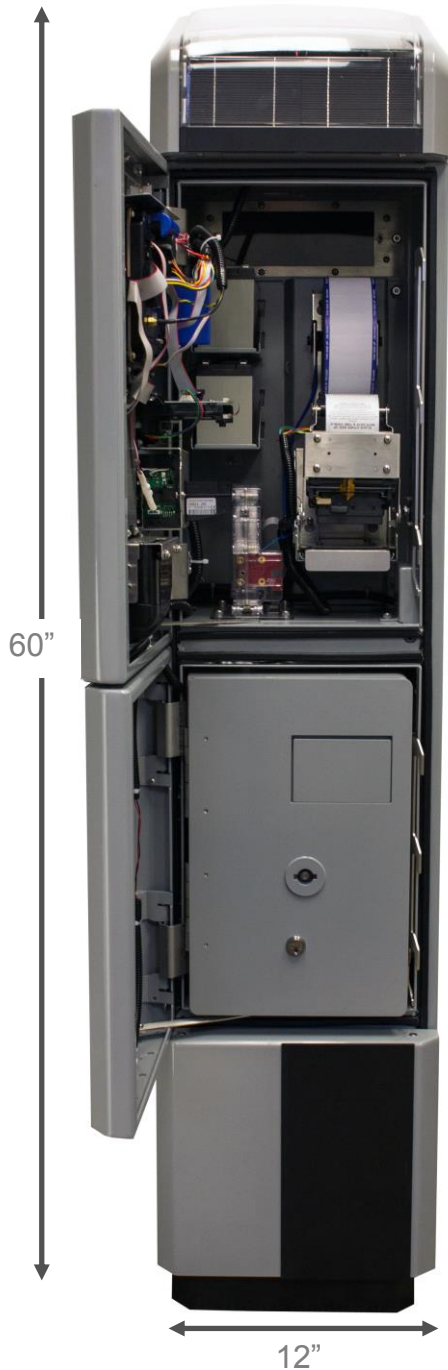
MULTI-SPACE PAY STATIONS

The MS1™ is the latest generation of unattended payment stations by IPS. It incorporates the features of our single-space platform while hosting many more customer focused features.

EMV Level 2 Certified



MS1™ PAY STATION



solar panel

LED lighting

4G modem

armored glass screen

proximity sensors

credit card reader

stainless steel housing

secured coin vault

Available in pay-by-space,
pay and display, and
pay-by-plate

ADA Compliant, max button
height 48", screen height 45"



REVOLUTION UPGRADE KITS
Designed to retrofit existing pay stations to maximize current investment while upgrading to the latest IPS technology and features.

EMV Level 2 Certified



REVOLUTION UPGRADE KITS



Revolution SM

Retrofits: Siemens
Prisma

Revolution CL

Retrofits: Cale MPC 104

Revolution DL1

Retrofits: Digital
Payment
Technologies
Luke 1

Revolution ST

Retrofits: Parkeon
Stelio

Revolution SR

Retrofits: Parkeon
Strada

Revolution
V

Retrofits:
Ventek 400

Revolution DG

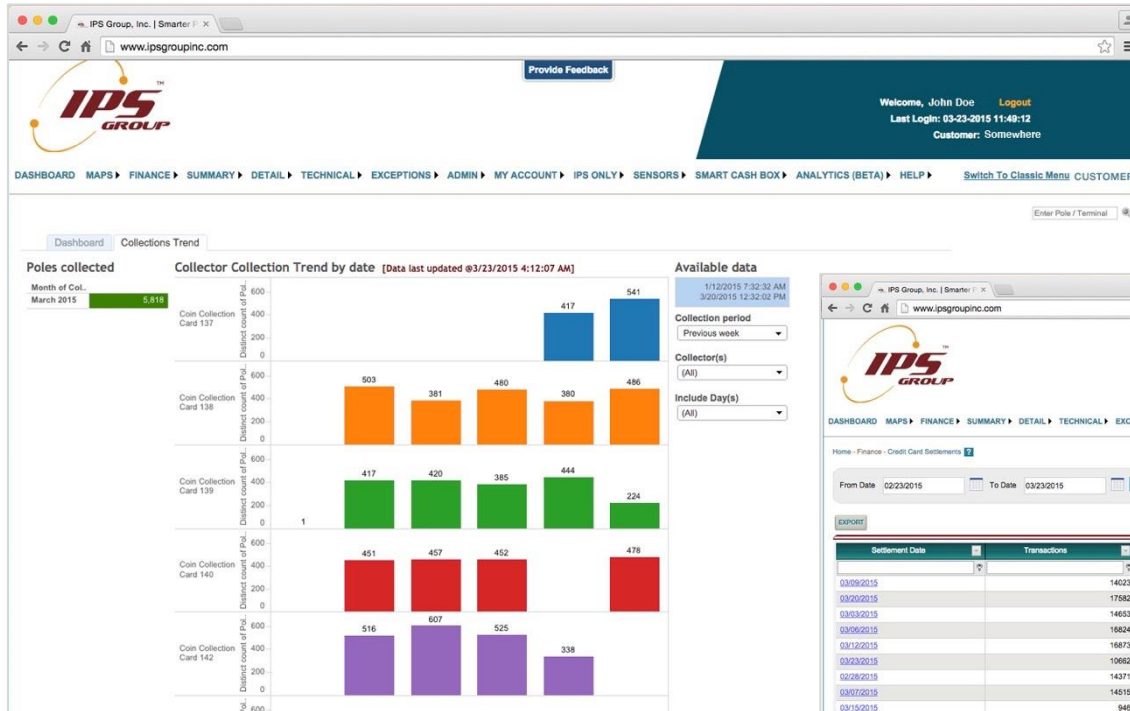
Retrofits: Parkeon
DG

DATA MANGAGEMENT SYSTEM

A real-time, web-based application that allows you to remotely monitor your parking network from anywhere, at anytime.



SAMPLE DMS REPORTS



The screenshot shows the IPS Group DMS dashboard with the 'Credit Card Settlements' report selected. The report displays a table of transactions with columns for Settlement Date, Transactions, Total Gateway Fee (\$), Total (\$), Net Total (\$), and Average Transaction Amount (\$).

Settlement Date	Transactions	Total Gateway Fee (\$)	Total (\$)	Net Total (\$)	Average Transaction Amount (\$)
03/09/2015	14023	\$0.00	\$21,982.50	\$21,982.50	\$1.57
03/20/2015	17582	\$0.00	\$27,560.50	\$27,560.50	\$1.57
03/03/2015	14653	\$0.00	\$22,980.00	\$22,980.00	\$1.57
03/06/2015	16824	\$0.00	\$26,193.50	\$26,193.50	\$1.56
03/12/2015	16873	\$0.00	\$26,620.50	\$26,620.50	\$1.56
03/23/2015	10662	\$0.00	\$16,864.50	\$16,864.50	\$1.56
02/26/2015	14371	\$0.00	\$22,692.25	\$22,692.25	\$1.56
03/07/2015	14515	\$0.00	\$23,037.50	\$23,037.50	\$1.59
03/16/2015	946	\$0.00	\$1,254.50	\$1,254.50	\$1.33
03/01/2015	969	\$0.00	\$1,291.75	\$1,291.75	\$1.33
02/23/2015	12553	\$0.00	\$18,937.00	\$18,937.00	\$1.51
03/04/2015	10174	\$0.00	\$23,521.25	\$23,521.25	\$1.55
03/18/2015	16348	\$0.00	\$25,786.50	\$25,786.50	\$1.58
02/26/2015	12995	\$0.00	\$18,651.00	\$18,651.00	\$1.44
03/21/2015	14251	\$0.00	\$22,947.00	\$22,947.00	\$1.61
03/13/2015	17363	\$0.00	\$27,225.50	\$27,225.50	\$1.57
Total	362,801	\$0.00	\$598,003.50	\$598,003.50	

- Financial Reporting
- Repair and Technical Audits
- Revenue Statistics





Park Smarter™

An IPS mobile app that allows personal control for an easy and convenient parking experience.

- Optimization with the IPS System to save meter battery life
- Multiple cards and vehicles per account
- Accepts multiple forms of payment



Mobile Diagnostics & Enforcement

3G 96% 3:20 PM
Logged In: mark.berling



Nearby Poles

Find Poles

Scan Bar Code

Assign RFID

Assign Configuration

Assign Cashbox

Fault Overview

Enforcement Detail

Select Customer ▼

3G 96% 3:20 PM
Fault Overview

Zone	Coin Fault	Card Fault	Low Batt	Comms Fault
IPS Group	3	0	1	19
Default Zone				

3G 95% 3:21 PM
More Info Recent Transactions

Pole: Phils Test Pole
Terminal #: 0203168
Configuration: 120 Min Meter
RFID #: my403983
Firmware Version: 52.69.9
Last Reported: 7/22/2016 5:08 AM
Current Faults:

Recent Transactions

Recent Maintenance



24" 4G 82% 1:19 PM
Enforcement Detail

7122	2016-2-11 1:47:38 PM	REM: 2:16
7123	2016-2-11 5:28:07 PM	REM: 5:57
7124	2016-2-10 10:43:39 PM	EXP: -12:48
7125	2016-2-10 10:16:03 PM	EXP: -13:15
7126	2016-2-10 8:23:03 PM	EXP: -15:8
7127	2016-2-11 5:38:13 PM	REM: 6:7
7128	2016-2-11 12:28:01 PM	REM: 0:57
7129	2016-2-10 9:04:48 PM	EXP: -14:27
7130	2016-2-11 3:37:37 PM	REM: 4:6
7131	2016-2-11 4:50:38 PM	REM: 5:19
7132	2016-2-10 9:56:54 PM	EXP: -13:35
7133	2016-2-11 12:24:07 PM	REM: 0:53
7134	2016-2-11 12:43:42 PM	REM: 1:12
7135	2016-2-11 6:31:04 PM	REM: 7:0
7136	2016-2-11 2:30:30 PM	REM: 2:59
7137	2016-2-11 1:16:01 PM	REM: 1:45
7138	2016-2-11 11:55:03 AM	REM: 0:24
7139	2016-2-10 9:24:21 PM	EXP: -14:7
7140	2016-2-10 9:54:33 PM	EXP: -13:37
7141	2016-2-10 6:31:23 PM	EXP: -17:0
7142	2016-2-10 8:55:11 PM	EXP: -14:36
7143	2016-2-11 2:47:15 PM	REM: 3:16
7144	2016-2-11 12:48:30 PM	REM: 1:17
7145	2016-2-10 6:12:53 PM	EXP: -17:19
7146	2016-2-10 7:38:49 PM	EXP: -15:53
7147	2016-2-10 9:04:53 PM	EXP: -14:27
7148	2016-2-9 7:27:46 PM	EXP: -16:4
7149	2016-2-10 9:07:03 PM	EXP: -14:24
7150	2016-2-10 7:36:34 PM	EXP: -15:55
7151	2016-2-10 9:17:47 PM	EXP: -14:14

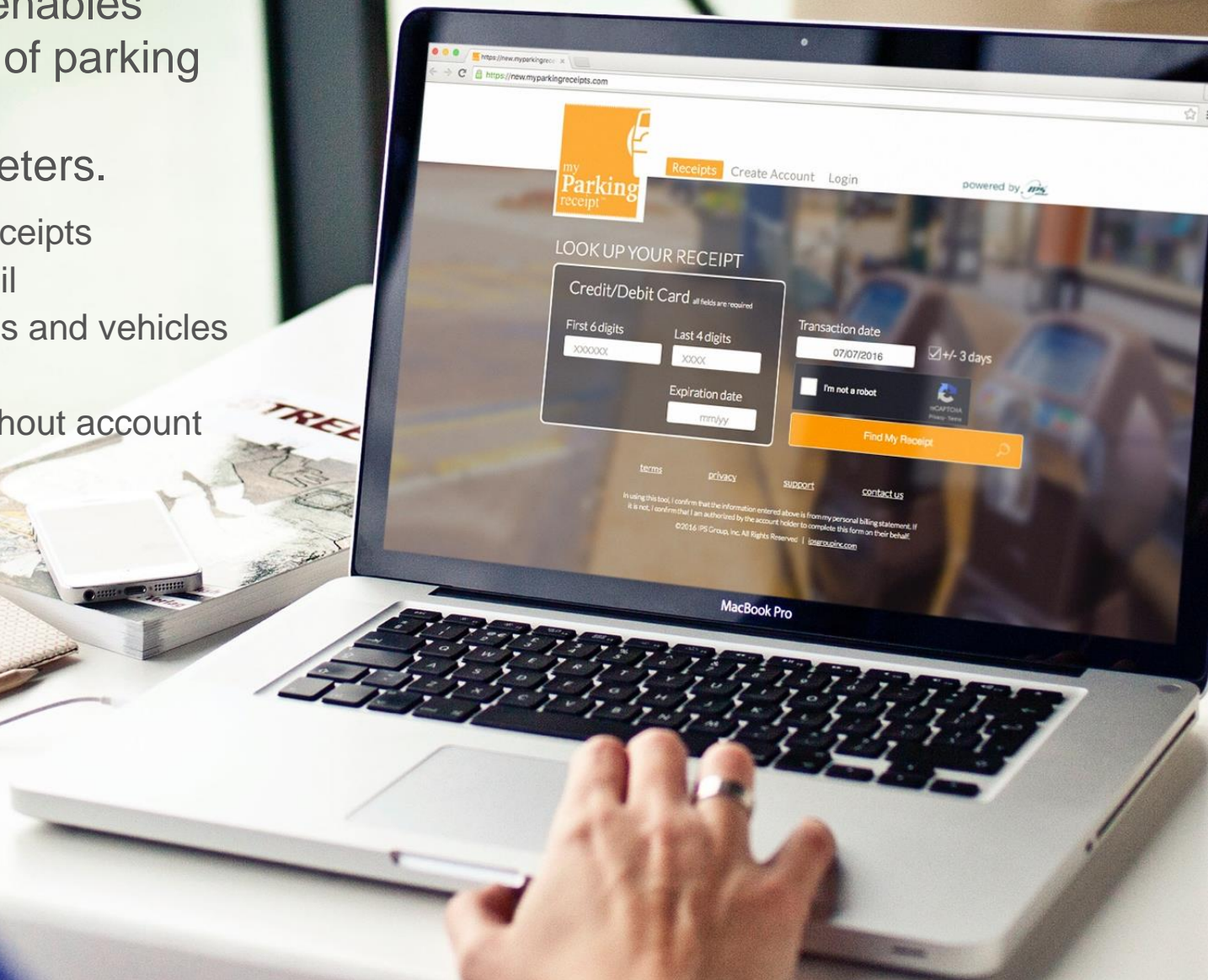
Date: 7/11/2016 11:36 AM
Amount: \$2.75
Transaction Type: Cash
Date: 6/30/2016 3:48 PM
Amount: \$0.00
Transaction Type: null
Date: 6/18/2016 4:02 AM
Amount: \$0.75
Transaction Type: Cash
Date: 6/15/2016 8:49 AM
Amount: \$4.25
Transaction Type: Cash
Date: 6/14/2016 2:53 PM
Amount: \$0.00
Transaction Type: null
Date: 6/14/2016 2:52 PM
Amount: \$4.00
Transaction Type: Cash
Date: 6/14/2016 2:22 PM
Amount: \$3.75
Transaction Type: Cash
Date: 6/14/2016 2:12 PM
Amount: \$3.75
Transaction Type: Cash
Date: 6/14/2016 12:59 PM



My Parking Receipt™

A website that enables record-keeping of parking receipts paid at IPS Smart Meters.

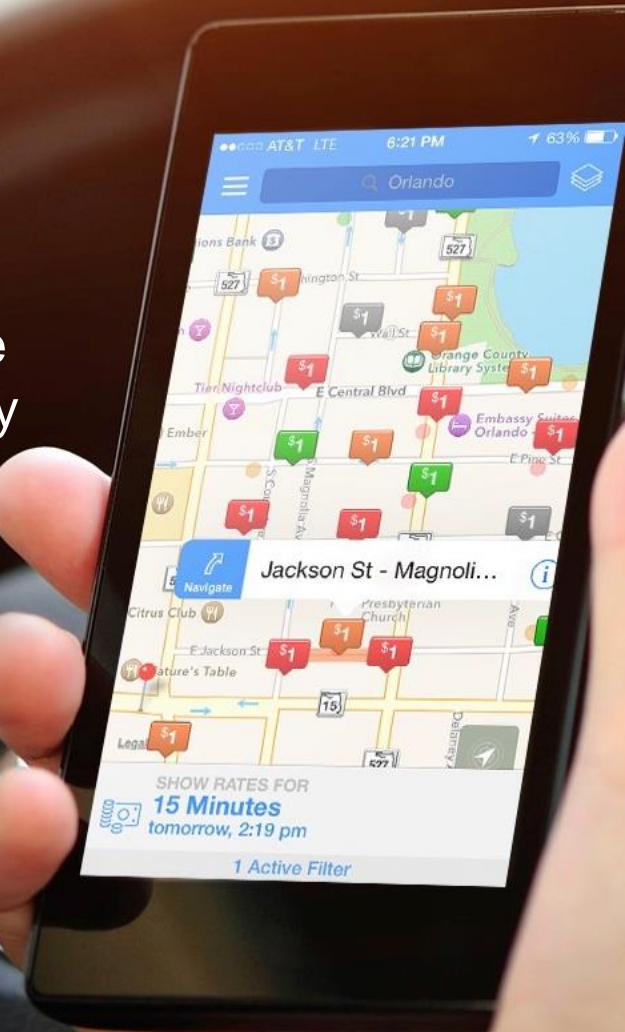
- Automatic receipts sent via email
- Multiple cards and vehicles per account
- Available without account setup



THIRD-PARTY INTEGRATION

IPS meters open platform can integrate with third party vendors to help your city maintain streamlined operations.

- Enforcement and violation data
- Revenue statistics and trends
- Adjudication reports
- Parking demand statistics
- Occupancy patterns
- Payment data
- Web based digital signage



A person wearing a green long-sleeved shirt and blue jeans is standing at a modern, grey and black parking payment station. They are holding a blue credit card in their right hand, ready to insert it into the card reader. In their left hand, they hold a black smartphone. The station has a small screen at the top, a larger screen in the middle, and several buttons below. A blue 'P' for parking is visible on the top right of the station. The background shows a blurred blue car and some greenery.

CREDIT CARD PROCESSING

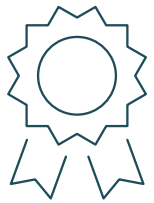
We ensure that your customers data is transmitted quickly and securely using wireless networks.

\$850,000
in transactions processed
PER DAY

8.5 MILLION
credit card transactions per month

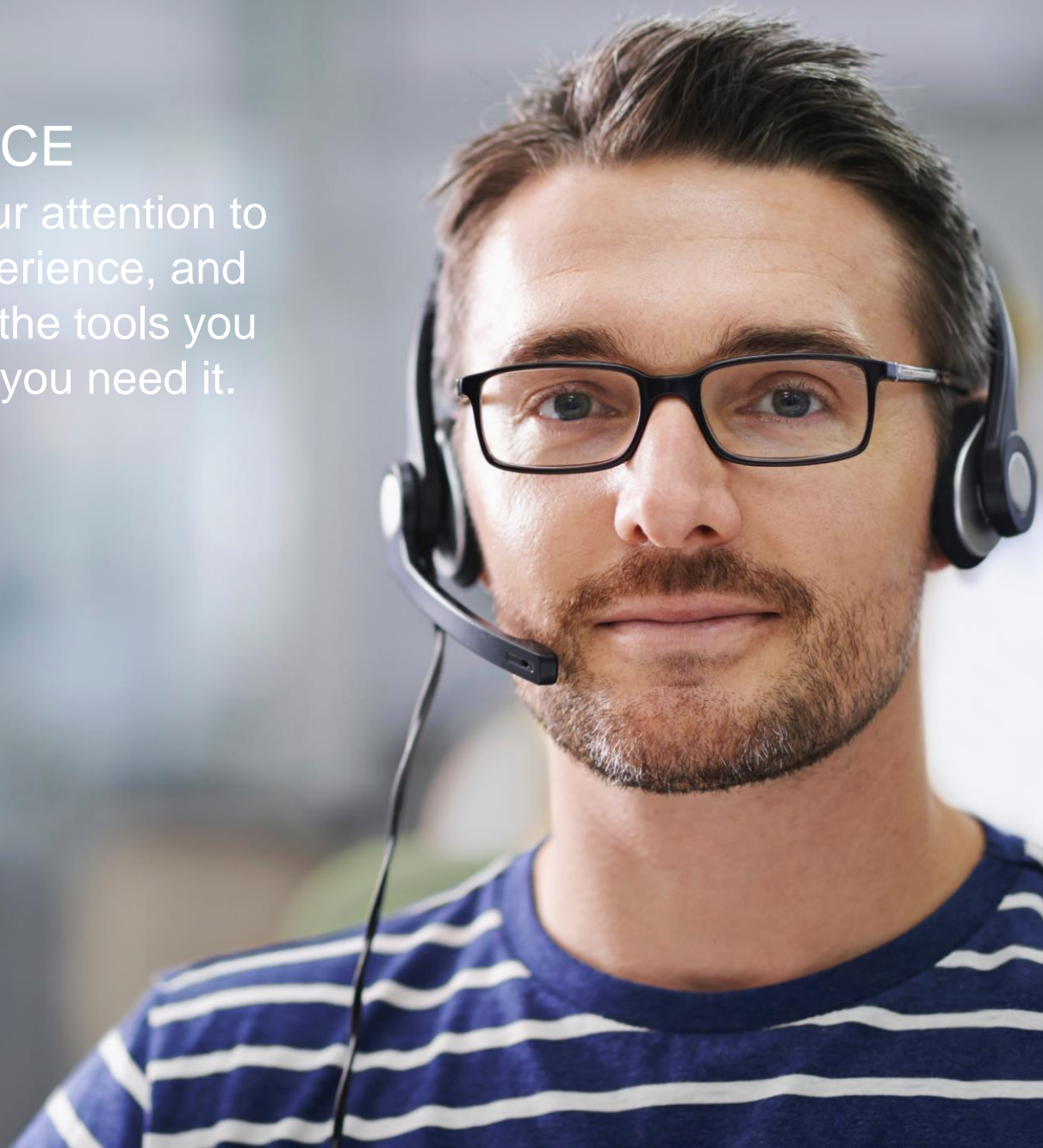


**PA-DSS
PCI-DSS
CERTIFIED**



CUSTOMER SERVICE

We pride ourselves in our attention to detail, the customer experience, and providing you with all of the tools you need and support when you need it.



proven / innovative / possibilities



LEARN MORE ABOUT HOW THE IPS SOLUTION CAN HELP YOU



Case Studies



Smart Cities



Partnerships

Athens, GA

Norwalk, CT

Austin, TX

Oxford, MS

Denver, CO

Santa Monica, CA

Huntington Beach, CA

Sacramento, CA

Manhattan Beach, CA

University of
Minnesota, MN



Athens, GA



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Norwalk, CT



| Oxford, MS



Santa Monica, CA



| Sacramento, CA



University of Minnesota, Minneapolis



| SMART CITIES

PARTNERSHIPS

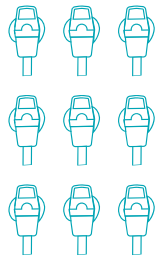


proven / innovative / possibilities

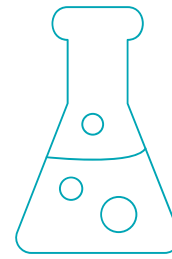


WHY IPS Group?

20+ YEARS OF
INNOVATION



225,000+
CONNECTED
PARKING DEVICES



INVESTING
MILLIONS
ANNUALLY IN
R&D



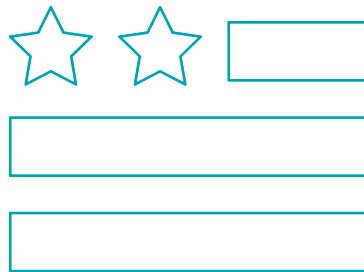
BACK END
SOFTWARE
MANAGEMENT



VISA/MASTERCARD
PRICING
PROGRAM



130+
EMPLOYEES



DESIGNED, ENGINEERED
MANUFACTURED, SUPPORTED
IN THE USA





SMARTER PARKING
for SMART CITIES.™